From: **Robin Costas/ESC/R3/USEPA/US**
Sent: 2/27/2012 10:24:05 AM

To: Cynthia Caporale/ESC/R3/USEPA/US@EPA
CC: Jennifer Gundersen/ESC/R3/USEPA/US@EPA
Subject: draft verification response 1201015 Part 1

The report on the Dimock Verification/Completeness Check for file 1201015 FINAL Part 1 of 3 R33907 02 15 12 1045.pdf was reviewed and below are the responses for your consideration.

File 1201015 FINAL PART 1 of 3 R33907 02 15 12 1045.pdf

1. For glycols, QC samples were reported for Batches BA22902 and BB20201. It is clear that BB20201 prepared on 2/2/12 is associated with samples HW25-P, Hw26-P, HW26, HW35, HW20, HW20-P, HW32, HW32-P, HW33, HW33a-P, HW33b-P, HW29a, HW29, HW52 and FB07. Samples EB01, FB06, HW18, HW18-P and HW13 were prepped on 1/31/12 yet the QC samples were prepped on 1/29/12. Is the prep date of 1/29/12 incorrect or is the wrong set of QC samples reported in the laboratory analytical report?

Response: **Batches and associated QC were prepared for every 20 samples. Samples in BA22902 were prepared over 2 days and grouped into one batch for analysis. (Not sure if you want to add this line: BB22902 spanned WO 1201013 and 1201015.) Sample prep and analysis times are correct.**

2. For those samples associated with the QC in Batch BA22902 (contingent upon answer to item #1), 2-methoxyethanol results should be qualified "UJ" based on the 61% recovery of this compound in the LCS.

Response: **All other QC were within criteria for 2-methoxyethanol. No target compounds were detected and no impact on data was expected so results were not qualified.**

3. For ICP metals, the sodium matrix spike recovery for Batch BB20205 was 149%, which exceeded the QC range of 70-130%. All detected sodium results in this batch should be qualified estimated "J". This qualification is based on the assumption that the post spike recovery for this analyte in this sample did not exceed the QC limits. This data is not available in the laboratory analytical report.

Response: **The sodium matrix spike was given a 'TD' flag. This notation means that the " Spike concentration is too dilute for accurate quantitation resulting in inaccurate recovery calculations." There is no need to qualify the data.**

4. Table 1 – Field and QC Sampling Summary lists mercury as a metal of interest. No data are reported for mercury in this file. As relayed during a teleconference on 2/21/12, mercury will be reported separately.

Response: **No comment**

5. The requested RL on the Methods for Surface Waters and Groundwaters lists the RL for Uranium as 10 µg/L. The laboratory reported 1.0 µg/L. As relayed during a teleconference on 2/21/12, the reported RL of 1.0 µg/L is correct. No response is necessary.

Response: **No comment**

6. The following samples had analytes that exceeded the federal maximum contaminant levels (MCLs): Aluminum for HW35 and HW29; iron for HW13, HW13-F and HW35; manganese for HW25-P, HW25-PF, HW26-P, HW26-PF, HW26, HW32-P, HW32-PF and HW32-F; and lead for HW35. It should be noted that several samples were close to their respective MCLs: Arsenic for HW32-PF and HW32-F; and manganese for HW29z.

Response: **No comment**

7. There were several non-typical metals that were detected in some of the drinking water samples for which no MCLs are available: Boron for HW18, HW18-P, HW18-F, HW18-PF, HW25-P, HW25-PF, HW26-P, HW26-PF, HW26, HW26-F, HW29z, HW29z-F, HW29 and HW29-F, strontium for HW18, HW13, HW18-P, HW18-F, HW13-F, HW18-PF, HW25-P, HW25-PF, HW26-P, HW26-PF, HW26, HW26-F, HW32, HW32-P, HW32-PF, HW32-F, HW29z, HW29z-F, HW29, HW29-F, HW52 and HW52-F; uranium for HU18-P, HW18-F, HW13-F and HW18-PF; and lithium for HW29z, HW29z-F, HW29 and HW29-F.

Response: **No comment**

8. It is assumed that all required instrument QC in the method was run and was within the criteria listed in the EPA R3 SOPs since this information is not available in the laboratory report.

Response: **This assumption is correct and future reports will include a statement in the narrative.**

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